

ZIL'BERBERG, S.D., inzh.; KLYUSHNIK, Yu.P., inzh.

Experience in electric heating of reinforced concrete products
in molds. Bet. 1 zhel.-bet. 9 no.10:449-450 0 '63.

(MIRA 16:12)

ZIL'BERBERG, S.D., inzh.

Calculating the electric curing of concrete in curing
chambers. Trudy GISI no.47:48-62 '64.

(MIRA 18:11)

USSR/Human and Animal Morphology - Normal and Pathological.
Pathological Anatomy

S

Abs Jour : Ref Zhur Biol., No 23, 1958, 106044

Author : Zil'berberg, S.I., Cherkasskiy, L.A.

Inst :

Title : Morphological Changes of the Arteries and Veins of the Brain in Hypertensive Disease

Orig Pub : Sb. nevropatol. i psikiatrii, 1957, 57, No 8, 979-985

Abstract : Dates of the microscopic examination of patients 41 to 74 years old, who died from hypertensive disease with a cerebral syndrome, are presented. It was determined that the lesions of the arteries and veins are essentially identical and manifest themselves in dystonia of the vessels, and diapedetic hemorrhages, protein infiltration of the wall of the blood vessels and formation of dissecting aneurysms. Functional and dynamic changes and sclerosis are more common in veins, while deposition

Card 1/2

ZIL'BERBERG, S.I.; CHERKASSKIY, L.A.

Morphological changes in the cerebral arteries and veins in hypertension [with summary in French]. Zhur.nevr. i psikh. 57 no.8: 979-985 '57.
(MIRA 10:11)

1. Nauchno-issledovatel'skiy psikh-nevrologicheskiy institut imeni V.M.Bekhtereva, Leningrad.

(HYPERTENSION, pathology,
brain vasc. system (Rus))

(BRAIN, blood supply,
vasc. pathol. in hypertension (Rus))

ZIL'BERBERG, S. I.

Zil'Berberg, S. I. - and Zhabotinskiy, Yu. M. - "Pathomorphology of the knots of the solarplexus, which have been removed through operations in connection with hypertonic affection," In symposium: VIII Sessiya Neyrokhirurg. soveta i Leningr. in-ta neyrokhirurgii, (Akad. med. nauk SSSR), Moscow, 1948, p. 78-86

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nukh Statey, No. 6, 1949).

ZIL'BERBERG, S. I.

Zil'Berberg, S. I. and Kokin, M. I. - "Some data on neurological clinic in hypertonic affection (Toward the problem of surgical treatment)," In symposium: VIII Sessiya Neyrokhirurg. soveta i Leningr. in-ta neyrokhirurgii (Akad. med. nauk SSSR), Moscow, 1948, p. 55-57

SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

ZIL'BERBERG, S. I.

Zil'berberg, S. I. and Kokin, M. K. - "Some data on neurological clinic during hypertonia, treated by surgical means," Trudy Leningr. gosptalya dlya lecheniya invalidov Otechestv. voyny, Leningrad, 1948, p. 295-305

SO: U-3950, 16 June 53,)Letapis, 'Zhurnal 'Nykht Stsey, No. 5, 1949).

1ST AND 2ND ENTRIES		PROCESS AND PROPERTIES INDEX		3RD AND 4TH ENTRIES	
<p><i>ca</i></p> <p>Ferrite-pearlite forged iron as a substitute for nonferrous metals. V. Zil'berberg. <i>Nesovs Tekhnika</i> 1940, No. 13-14, 51-7. Pearls were made under the same conditions for wear resistance with low-Sn bronze, Alkum and ferrite-pearlite forged Fe. The Fe contg. 60-80% pearlite was 4.5 times more wear-resistant than ordinary forged Fe and withstood specific pressures of up to 60 kg./sq. cm. The material can also be used as an antifriction substitute for bronze and is recommended for use in cases where μ does not exceed 60 kg. m/sec. sq. cm. Best structure was shown for specimens contg. 65-75% pearlite and having Brinell hardness of 150-197. H. Z. K.</p>					
A.S.T.M. METALLURGICAL LITERATURE CLASSIFICATION					
TENSILE STRENGTH		TENSILE YIELD ONLY USE		TENSILE YIELD ONLY USE	
TENSILE STRENGTH		TENSILE YIELD ONLY USE		TENSILE YIELD ONLY USE	

ZIL'BERBERG, V.

Comprehensive improvement of intraplant transportation. Sots.
trud 7 no.9:47-51 S '62. (MIRA 15:9)

1. Zamestitel' glavnogo inzhenera Gor'kovskogo avtomobil'nogo
zavoda.

(Gorkiy--Automobile industry) (Material handling)

ZIL'BERBERG, V. I.

E. 52T16

USSR/Electricity
Rotors
Coils-Winding

Dec 1947

"New Methods in Rewinding Rotors with Aluminum Coils,"
V. I. Zil'berberg, Engr; A. O. Schmidt, Gor'kiy Auto-
mobile Works imeni V. M. Molotov, 1 p

"Prom Energetika" No 12

Briefly describes repairs made on housing of short-
circuit rotor at one of the plants GAW imeni V. M.
Molotov. Although a rotor with an aluminum housing
usually is considered very durable, and repairs on
this type of assembly are considered uneconomical,
at times they are necessary in spite of high cost in-
volved.

FDB

52T16

ZIL'BERBERG, V.I.

Bright outlook. Mashinostroitel' no.4:6-9 Ap '60.
(MIRA 13:6)

1. Zamestitel' glavnogo inzhenera Gor'kovskogo avtozavoda.
(Gorkiy--Automobile industry)

ZIL'BERBERG, V.I., inzh.

Mechanization of loading, unloading and conveying operations at
the Gorkiy Automobile Plant. Mekh.i avtom.proizv. 16 no.9;
29-33 S '62. (MIRA 15:9)

(Gorkiy--Automobile industry)
(Loading and unloading--Equipment and supplies)
(Conveying machinery)

ZIL'BERBERG, V.I.; ROZNO, L.I.; GULYAYEV, A.I.; TSYRLIN, M.I.;
BOBKOV, L.S., inzh., retsenzent; MANUYKOV, P.N., inzh.,
red.

[Overall mechanization and automation of painting operations] Kompleksnaia mekhanizatsiia i avtomatizatsiia okrasochnykh rabot. Moskva, Mashinostroenie, 1965. 146 p.
(MIRA 18:6)

ALEXIN, B.; ZIL'BERBERG, Ya.

Automatic control of refrigerating plants. Mas.ind. SSSR 31
no.6:10-11 '60. (MIRA 13:12)

1. Odesskiy proyektno-konstruktorskiy institut pishchevoy promysh-
lennosti.

(Meat industry--Equipment and supplies)

(Refrigeration and refrigerating machinery)

(Automatic control)

ZIL'BERBERG, Ya.; TUL'CHINSKIY, Yu.

Nomogram for calculating the consumption of cold in cooling
units. Mias. ind. SSSR 32 no.4:27-29 '61. (MIRA 14:9)
(Cold storage warehouses)

IRZHEVSKIY, V.; ZIL'BERBERG, Ya.; KOMEYKO, A.

Preparation of direct ammonia cooling systems for an over-all automation.
M₁as.ind. SSSR 34 no.1:35-39 '63. (NIRA 164)

1. Odesskiy proyektno-konstruktorskiy institut avtomatizatsii pishchevoy
promyshlennosti.

(Refrigeration and refrigerating machinery)

(Automation)

~~ZIL'BERBERG, Ya.G.~~
GORELIK, A.M., inzhener; OSIPIYAN, A.V., kandidat tekhnicheskikh nauk; otvetstvennyy redaktor; ZIL'BERBERG, Ya.G., inzhener; ERILING, N.R., doktor tekhnicheskikh nauk, professor; KALISH, G.G., doktor tekhnicheskikh nauk, professor; MEZIN, I.S., doktor tekhnicheskikh nauk; PEVZNER, Ya.M., doktor tekhnicheskikh nauk; KHRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor; BRYZGOV, N.N., kandidat tekhnicheskikh nauk; KOZLOVSKIY, I.S.; kandidat tekhnicheskikh nauk; LITKIN, I.I., kandidat tekhnicheskikh nauk; RAMAYYA, K.S., kandidat tekhnicheskikh nauk; BUTYLKIN, A.G., tekhnicheskiiy redaktor; MATVEYEVA, Ye.N.; tekhnicheskiiy redaktor.

The effect of vertical forces on automobile wheels. Trudy NAMI no.65:1
'52. (MLRA 8:11)

1. Direktor NAMI (for Osipyan)
(Automobiles--Wheels)

MINKIN, M. L., kandidat tekhnicheskikh nauk; TRAKTOVENKO, I. A., kandidat tekhnicheskikh nauk; OSIPYAN, A. V., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor; ZIL'BERBERG, Ya. G., inzhener, sekretar'; BRILING, N. R., doktor tekhnicheskikh nauk; KALISH, G. G., professor, doktor tekhnicheskikh nauk; PEVZNER, Ya. M., doktor tekhnicheskikh nauk; RAMAYYA, K. S., doktor tekhnicheskikh nauk; KHRUSHCHEV, M. M., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, I. S., kandidat tekhnicheskikh nauk; MATVEYEVA, Ye. N., tekhnicheskiy redaktor.

[An investigation of Soviet automobile radiators] Issledovanie otechestvennykh avtomobil'nykh radiatorov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 43 p. (Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotorny institut. [Trudy], no. 74) (MLRA 8:9)
(Automobiles--Radiators)

ZIL'BERBERG, YA. G.

LAPIDUS, V.I., kandidat tekhnicheskikh nauk; OSIPYAN, A.V., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor; ZIL'BERBERG, Ya.G., inzhener, sekretar'; BRILING, N.R., doktor tekhnicheskikh nauk, professor; PEVZNER, Ya.M., doktor tekhnicheskikh nauk, professor; KHRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor; KALISH, G.G., doktor tekhnicheskikh nauk, professor; RAMAYTA, I.S., doktor tekhnicheskikh nauk; KOZLOVSKIY, I.S., kandidat tekhnicheskikh nauk; UVAROVA, A.F., tekhnicheskiiy redaktor.

Experimental research on fluid flow in hydraulic torque converters.
[Trudy] NAMI no.73:1-22 '54. (MIRA 8:2)

1. Direktor Nauchnogo avtomotornogo instituta (for Osipyan).
(Oil hydraulic machinery)(Automobiles--Transmission devices)

С.Л. Б.Л.К.Д. 25, Ya. G.

KULIKOV, N.K., kandidat tekhnicheskikh nauk; OSIPIYAN, A.V., kandidat tekhnicheskikh nauk, redaktor; KOZLOVSKIY, I.S., kandidat tekhnicheskikh nauk, redaktor; ERILING, N.R., doktor tekhnicheskikh nauk, professor, redaktor; KALISH, G.G., doktor tekhnicheskikh nauk, professor, redaktor; PEVNER, Ya.M., doktor tekhnicheskikh nauk, professor, redaktor; KHRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor redaktor; RAMAYYA, K.S., doktor tekhnicheskikh nauk, redaktor; LIPGART, A.A., redaktor; PRIYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor; ROZANOV, V.G., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVONOV, S.B., inzhener, redaktor; ZIL'BERBERG, Ya.G., inzhener, redaktor; UVAROVA, A.F., tekhnicheskiiy redaktor.

Weged freewheeling clutches. Trudy NAMI no.75:3-67 '54.
(MIRA 8:7)

1. Konstruktor Nauchno-issledovatel'skogo avtomotornogo instituta (for Lipgart)
(Clutches (Machinery))

ZIL BERBERG, Ya. G.

LEVENSTERN, O.L., kandidat tekhnicheskikh nauk; KRESTOVNIKOV, G.A., inzhener;
OSIPYAN, A.V., kandidat tekhnicheskikh nauk, redaktor; KOZLOVSKIY, I.S.,
kandidat tekhnicheskikh nauk, redaktor; ZIL BERBERG, Ya. G., inzhener,
redaktor; BRILING, N.R., professor, dektor tekhnicheskikh nauk, redaktor;
KALISH, G.G., dektor tekhnicheskikh nauk, professor, redaktor; RAMAYYA,
K.S., dektor tekhnicheskikh nauk, redaktor; LIPGART, A.A., professor,
redaktor; PRIYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor;
ROZANOV, V.G., kandidat tekhnicheskikh nauk, redaktor; CHISTOVONOV,
S.B., inzhener, redaktor; SHTEYNGART, M.D., redaktor; UVAROVA, A.F.,
tekhnicheskii redaktor.

[Heating of brake linings in passenger cars] Nagrev termoznykh nakladek
legkovykh avtomobilei. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1955. 35 p. (Moscow, Gosudarstvennyi nauchno-issledovatel'skii
avtomobil'nyi i avtomotorny i institut. Trudy, no. 78). (MIRA 9:7)

1. Direktor Nauchno-issledovatel'skogo avtomotornogo instituta (for
Osipyan). 2. Zamestitel' direktora Nauchno-issledovatel'skego avtomoter-
nogo instituta (for Kozlevskiy). 3. Chlen-korrespondent AN SSSR (for Briling).
(Automobiles--Brakes)

KULIKOV, N.K., doktor tekhnicheskikh nauk; OSIPYAN, A.V., kandidat tekhnicheskikh nauk, redaktor; KOZLOVSKIY, I.S., kandidat tekhnicheskikh nauk, redaktor; ZIL'BERBERG, Ya.G., inzhener, redaktor; BRILING, N.R., doktor tekhnicheskikh nauk, professor, redaktor; KALISH, G.G., doktor tekhnicheskikh nauk, professor, redaktor; PEVZNER, Ya.M., doktor tekhnicheskikh nauk, professor, redaktor; KRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor, redaktor; RAMAYYA, K.S., doktor tekhnicheskikh nauk, professor, redaktor; LIPGART, A.A., professor, redaktor; PRYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor; ROZANOV, V.G., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVONOV, S.B., inzhener, redaktor; YEGORKINA, L.I., redaktor; UVAROVA, A.F., tekhnicheskij redaktor; BROKSH, V.V., inzhener.

[Performance of automobile wheels] Rabota avtomobil'nogo koleasa. (Moscow: Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornyi institut. [Trudy] no.77) 1955 36 p.
(MLRA 9:4)

1.Chlen-korrespondent AN SSSR (for Briling).
(Automobiles--Wheels)

ZIL'BE, R.D., YA...

RAMAYYA, K.S., doktor tekhnicheskikh nauk; SIL'S, R.Kh., inzhener;
BEN-YAKIR, R.D., inzhener; KOZLOVSKIY, I.S., kandidat tekhnicheskikh
nauk, zamestitel' otvetsyvennogo redaktora; ZIL'BERBERG, Ya.G.,
inzhener, sekretar'; BRILING, N.R., professor, doktor tekhnicheskikh
nauk; KALISH, G.G., professor, doktor tekhnicheskikh nauk; PHVZNER,
Ya.M., professor, doktor tekhnicheskikh nauk; KHRUSHCHEV, M.M.,
professor, doktor tekhnicheskikh nauk; LIFGART, A.A.; professor;
PRYADILOV, V.I., kandidat tekhnicheskikh nauk; ROZANOV, V.S., kandi-
dat tekhnicheskikh nauk; CHISTOZVONOV, S.B., inzhener; BROKSH, V.V.,
zaveduyushchiy redaksiyey, inzhener; UVAROVA, A.F., tekhnicheskii
redaktor; OSIPIYAN, A.F., kandidat tekhnicheskikh nauk, otvetstvennyy
redaktor.

[Method of determining the potential corrosion properties of lubri-
cants] Metod opredeleniya potentsial'noi korroziionnosti masel. Mo-
skva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry.1956 49 p.
(Moscow, Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi
i avtomotornyi institut. [Trudy], no. 80) (MLRA 10:1)

1. Direktor Nauchno-issledovatel'skogo avtomotornogo instituta (for
Osipyan). 2. Zamestitel' direktora Nauchno-issledovatel'skogo
avtomotornogo instituta po nauchnoy rabote (for Kozlovskiy). 3. Chlen-
korrespondent Akademii nauk SSSR (for Briling).
(Lubrication and lubricants) (Corrosion and anticorrosives)

KISELEV, B.A., inzh.; EIPGART, A.A., otv.red.; PASHIN, M.A., red.; BORISOV, S.G., red.; BRISKIN, M.I., red.; BRYZGOV, N.N., red.; DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red.; LUNEV, I.S., red.; NAGAYEV, P.V., red.; PEVZNER, Ya.M., red.; PRYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.; SEDOVA, Ye.V., red.; TAMRUCHI, O.V., red.; CHAPKEVICH, V.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV, E.M., red.; SMIRNOVA, G.V., tekhn.red.

[Investigation of the operation and gas-exchange of a loop-scavenged two-cycle motor-vehicle diesel engine] Issledovanie rabochego protsessa i gasoobmena dyukhtaktnogo avtomobilnogo dizelia s petlevoi produkoi. Moskva, Mashgiz, 1961, 193 p. (Moscow. Gosudarstvennyi-nauchno-issledovatel'skii avtomobil'nyi i avtomotorny institut. Trudy, no.30). (MIRA 16:8)
(Motor vehicles—Engines)

PETRUSHOV, V.A., inzh.; PASHIN, M.A., red.; LIPGART, A.A., otv.red.;
AL'PEROVICH, A.G., red.; BORISOV, S.G., red.; BRISKIN, M.I., red.;
DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red.;
LUNEV, I.S., red.; NAGAYEV, P.V., red.; PEVZNER, Ya.M., red.;
PRIYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.;
SEDOVA, Ye.V., red.; TAMBUCHI, O.V., red.; KHANIN, N.S., red.;
CHAPCHAYEV, A.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV,
E.M., red.; YEGORKINA, L.I., red.izd-va; GORDEYEVA, L.P., tekhn.
red.

[Operational analysis of the multiplate friction transformer]
Analiz raboty mnogodiskovykh friktsionnykh transformatorov.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry,
1960. 79 p.(Moscow. Gosudarstvennyi nauchno-issledovatel'skii
avtomobil'nyi i avtomotorny i institut [Trudy], no.90).

(MIRA 13:8)

(Motor vehicles--Transmission devices)

LYSYKH, T.S., kand.tekhn.nauk; PASHIN, M.A., red.; LIPGART, A.A., red.; AL'-
 PEROVICH, A.G., red.; BORISOV, S.G., red.; BRISKIN, M.I., red.;
 DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red.;
 LUNEV, I.S., red.; MARGAYEV, P.V., red.; PEVNER, N.M., red.;
 PRYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.;
 SEDOVA, Ye.V., red.; TAMURCHI, O.V., red.; KHANIN, N.S., red.;
 CHAPCHAYEV, A.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV, E.M.,
 red.; LEZHNEVA, G.V., red.izd-va; SMIRNOVA, G.V., tekhn.red.

[Design and investigation of performance of power disk brakes]
 Issledovanie raboty diskovykh tormozov s usileniem i metod ikh
 rascheta. Moskva, Gos.nauchno-issledovatel'skii avtomobil'noi i
 avtomotorny institut. Trudy, no.86) (MIRA 12:8)
 1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni
 nauchno-issledovatel'skiy avtomobil'nyy i avtomotorny institut.
 (Automobiles--Brakes)

RUDNITSKIY, N.M., kand. tekhn. nauk; VEDENYAPIN, G.A., otv.red.; KOZLOVSKIY, I.S.,
kand.tekhn.nauk, red.; ZIL'BERBERG, Ya.G., inzh. zamestitel' otv.red.
BRILING, M.R., doktor tekhn.nauk, prof., red.; KALISH, G.G., doktor
tekhn.nauk, prof., red.; PEVZNER, YA.M., doktor tekhn.nauk, prof.,
red.; KHRUSHCHEV, M.M.; doktor tekhn.nauk, prof., red. RAMAYVA, K.S.,
doktor tekhn.nauk, red.; LIPGART, A.A., prof., red.; PRIYADILOV, V.I.,
kand. tekhn. nauk, red.; ROZANOV, V.G., kand. tekhn nauk, red.;
GHISTOZVONOV, S.B., inzh., red.; AVAKIMOV, G.G., red.izd-va;
SHIKIN, S.T., tekhn. red.

[Investigating the durability of crankshafts in IAAZ diesel engines]
Issledovanie vyнослиvosti kolenchatykh valov dizelsi IAAZ Moskva,
Gos. nauchn.-tekhn. izd-vo mashinostroitel'noi lit-ry, 1957. 30 p.
(Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i
avtomotornyi institut [Trudy], no.8a]. (MIRA 11:4)

1. Direktor Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo
Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo
instituta (for Vedenyapin). 2. Zamestitel' direktora po nauchnoy
chasti Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta
(for Kozlovskiy). 3. Chlen-korrespondent AN SSSR (for Briling).
(Crankshafts and crankshafts) (Diesel engine)

TRAKTOVENKO, I.A., kand. tekhn. nauk; VEDENYAPIN, G.A., otv. red.; KOZLOVSKIY, I.S., kand. tekhn. nauk. red.; ZIL'BERBERG, Ya.G., inzh. zastititel' otv. red.; BRILING, N.R., doktor tekhn. nauk, prof., red.; KALISH, G.G., doktor tekhn. nauk, prof., red.; PEVZNER, Ya.M., doktor tekhn. nauk, prof., red.; KHRUSHCHEV, M.M., doktor tekhn. nauk, prof., red.; RAMAYYA, K.S., doktor tekhn. nauk, red.; LIPCART, A.A., prof., red.; FRYADILOV, V.I., kand. tekhn. nauk, red.; ROZANOV, V.G., kand. tekhn. nauk, red.; CHISTOVONOV, S.B., inzh., red.; SHIKIN, S.T., tekhn. red.

[Investigating the effect of the octane number of diesel fuels on the performance of engines] Issledovanie vliianiia tsetanovogo chisla topliva na rabotu dvigatel'ia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1957. 30 p. (Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotorny institut. [Trudy], no.83). (MIRA 10:12)

1. Direktor Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znamen'ia nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Vedenyapin). 2. Zastititel' direktora po nauchnoy rabote Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znamen'ia nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Kozlovskiy). 3. Chlen-korrespondent AN SSSR (for Briling). (Diesel fuel) (Diesel engine)

ZIL BERBERG, Ya.G.

RUDNITSKIY, N.M., kandidat tekhnicheskikh nauk; OSIPYAN, A.V., kandidat tekhnicheskikh nauk, redaktor; KOZLOVSKIY, I.S., kandidat tekhnicheskikh nauk, redaktor; ZIL'BERBERG, Ya.G., inzhener, redaktor; BRILING, N.R., doktor tekhnicheskikh nauk, professor, redaktor; KALISH, G.G., doktor tekhnicheskikh nauk, professor, redaktor; PEVZNER, Ya.M., doktor tekhnicheskikh nauk, professor, redaktor; KRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor, redaktor; RAMAYYA, K.S., doktor tekhnicheskikh nauk, redaktor; LIPGART, A.A., professor, redaktor; PRIYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor; ROZANOV, V.G., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVONOV, S.B., inzhener; BROKSH, V.V., inzhener, redaktor; BAUMAN, I.M., redaktor; UVAROVA, A.F., tekhnicheskij redaktor.

[Endurance of materials for automobile engine sliding friction bearings]
Vynoslivost' materialov dlia podshipnikov skol'sheniya avtomobil'nykh dvigatelei. (Moscow, Gosudarstvennyi nauchno-issledovatel'skii i avtomobil'nyi institut. [Trudy], no.76) 1955 54 p. (MIRA 9:4)

1. Direktor Nauchno-issledovatel'skogo avtomotornogo instituta (for Osipyan). 2. Chlen-korrespondent AN SSSR (for Briling).
(Bearings (Machinery)) (Automobiles--Engines)

ZIL'BERBERG, Ya, G.

CHAPKEVICH, V.A., kandidat tekhnicheskikh nauk; OSIPYAN, A.V., kandidat tekhnicheskikh nauk, redaktor; KOZLOVSKIY, I.S., kandidat tekhnicheskikh nauk, redaktor; ZIL'BERBERG, Ya, G., inzhener, redaktor; BRILING, N.B., professor, doktor tekhnicheskikh nauk, redaktor; KALISH, G.G., professor, doktor tekhnicheskikh nauk, redaktor; PEVZNER, Ya, M., professor, doktor tekhnicheskikh nauk, redaktor; KHRUSHCHOV, M.M., doktor tekhnicheskikh nauk, professor, redaktor; RAMAYYA, K.S., doktor tekhnicheskikh nauk, redaktor; LIPGART, A.A., professor, redaktor; PRIYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor; ROZANOV, V.G., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVONOV, S.B., inzhener, redaktor; UVAROVA, A.F., tekhnicheskii redaktor.

[Investigation of the operation of the IAAZ engine] Issledovanie rabochego protsessa dvigatelya IAAZ. Moskva, Gos. nauchno-tekhn. izd-vo mashino-stroitel'stva, 1956. 41 p. (Moscow, Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornykh institut. [Trudy], no. 79)

(MIRA 10:3)

1. Direktor Nauchno-issledovatel'skogo avtomobil'nogo instituta (for Osipyan).
 2. Zamestitel direktora Nauchno-issledovatel'skogo avtomobil'nogo instituta po nauchnoy rabote (for Kozlovskiy).
 3. Chlen-korrespondent AN SSSR (for Briling).
- (Automobiles--Engines)

ZIL' BERBERG, Ya. G.

SHKOL'NIKOV, E.M., kand.tekhn.nauk; LEVITAN, M.M., inzh.; OSIPYAN, A.V.,
kand.tekhn.nauk, red.; KOZLOVSKIY, I.S., kand.tekhn.nauk, zamestitel'
otvetstvennogo red.; BRILING, N.R., doktor tekhn.nauk, prof., red.;
KALISH, G.G., doktor tekhn.nauk, prof.; LIPGART, A.A., prof., red.;
PEVZNER, Ya.M., doktor tekhn.nauk, prof., red.; PRYADILLOV, V.I., kand.
tekhn.nauk, red.; ROZANOV, V.G., kand.tekhn.nauk, red.; KRUSHCHEV, M.M.,
doktor tekhn.nauk, prof., red.; CHISTOZVONOV, S.B., inzh., red.;
ZIL'BERBERG, Ya.G., inzh., red.; YEGORKINA, L.I., red.isd-va;
UVAROVA, A.F., tekhn.red.

[Using chromium-silicon alloys in manufacturing automobile engine
sleeves] Khromokremnistyi splav dlia gil'z avtomobil'nykh dvigatelei.
Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1957. 78 p.
(Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i
avtomotorny institut. Trudy no.81)

1. Direktor Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo
Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo
instituta (for Osipyan). 2. Zamestitel' direktora Gosudarstvennogo
soyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo
avtomobil'nogo i avtomotornogo instituta (for Kozlovskiy). 3. Chlen-
korrespondent AN SSSR (for Briling).
(Chromium-silicon alloys) (Automobiles--Engines--Cylinders)

IRZHEVSKIY, V.P. [Irzhevs'kiy, V.P.]; KOMEYKO, A.I.; GELLER, S.L. [Heller, S.L.];
ZIL'BERBERG, Ya.M.

Protection of ammonia compressors against water hammer. Kharch.prom.
no.4:59-63 O-D 63.
(MIRA 17:1)

L 10475-67 EWT(m) DJ

ACC NR: AP6025083

(A)

SOURCE CODE: UR/0122/66/000/007/0027/0031

AUTHOR: Zil'berg, Yu. Ya. (Candidate of technical sciences)

ORG: none

36

TITLE: A test of the use of aluminum alloys in bearings of tractor diesels

SOURCE: Vestnik mashinostroyeniya, no. 7, 1966, 27-31

TOPIC TAGS: aluminum alloy, aluminum containing alloy, antifriction bearing, bearing material, roller bearing, diesel engine

ABSTRACT: The transition in the Soviet tractor industry from gasoline engines to diesel engines has prompted the need for research into possible metals and alloys to be used in bearings. Likely substitutes for bronze bearings have been aluminum-based alloys, whose properties can vary in a relatively wide range because of the introduction of proportionately small quantities of other elements. Many advantages of aluminum-based alloys for this use are cited, including high fatigue strength, good corrosion resistance, favorable thermal properties, high resistance to wear, etc. A brief history of the development of the use of aluminum in heavy-duty bearings is given. The work of M. M. Khrushchov is cited as being very prominent in the field. A comprehensive summary of the application of antifrictional alloys in crankshaft bearings for diesel tractor engines is given as well as a large tabulation showing the cross reference among: 1) the antifriction material used; 2) the method of preparing

Card 1/2

UDC: 621.822.5:669.715

L 10475-67

ACC NR: AP6025083

the blank and the method of preparing the insert; 3) examples of the insert formation; 4) the design maximum tolerable load (fatigue strength) in kg/cm^2 ; 5) a verbal, qualitative description of properties; 6) disadvantages; and 7) examples of application and representative insert thickness.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 011

Card

2/2

YETS, A.G.; DUDKEVICH, G.A.; ZIL'BERBORD, B.Sh.; BORSHCHEVSKAYA, V.A

Potential local anesthesia in thyrotoxic goiter surgery. Sov. med.
28 no.4:45-48 Ap '64. (MIRA 17:12)

1. Klinika obshchey khirurgii (zav. - dotsent G.A. Dudkevich)
Yaroslavskogo meditsinskogo instituta.

ZIL'BERBRANDT

AUTHORS: Zil'berbrandt, O.I., Kazakov, Ye. I., Kasatochkin, V.I. ^{24-2-25/28}
and Tyazhelova, A.A. (Moscow).

TITLE: Investigation of the composition and of the properties
of bitumen from shale tars of the Volga area.
(Issledovaniye sostava i svoystv bituma iz degtey
privolzhskikh slantsev).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk, 1958, No.2, pp. 155-158 (USSR).

ABSTRACT: The results are described of investigation of bitumen
obtained by oxidation of heavy fractions of semi-coking
tars of Kashiria shale under works conditions. The
residual tar fraction, boiling at 320°C, was subjected to
oxidation in air at 170 to 180°C. Depending on the
duration of the oxidation, various bitumen grades were
obtained, the characteristics of which are entered in
Table 1, p.156. It is concluded that with increasing
duration of the oxidation of the original raw materials
an accumulation takes place of hydrogenated and of the
condensed asphaltene structures; the quantity is reduced
of oils which, in the given case, become more saturated,
compensating approximately the constancy of the relative
Card 1/2 contents of carbon and of hydrogen.

24-2-25/28

Investigation of the composition and of the properties of bitumen
from shale tars of the Volga area.

There are 3 figures, 2 tables and 15 references -
9 Russian, 6 English.

SUBMITTED: November 9, 1956.

AVAILABLE: Library of Congress.

Card 2/2

ZIL'BERBURG, I.S., inzhener.

Remarks on S.G. Zislin's and S.N. Inozentsev's article "Standards:
the system of drafting organization do not meet the requirements
of the automobile industry." Standartizatsiia no.5:66-68 S-0'54.
(Automobile engineering—Standards) (MLRA 8:2)

ZIL'BERLAT, E. I.

24360 ZIL'BERLAT, E. I. Nablyudeniya nad primeneniye sardachnogo glyukozida-folinerina. Vracheb. Delo, 1949, No. 8, STB. 731-36.

SO: Letopis, No. 32, 1949.

ZIL'BERBLAT, E.O., inzhener; ZOLOTAREVSKIY, M.M., inzhener.

Mechanizing the handling of material in shops of the Kharkov
hosiery plant. Leg.prom.16 no.12:14-17 D '56. (MLRA 10:2)
(Hosiery industry) (Conveying machinery)

ZIL'BERBLAT, E.O., inzhener.

Conveyor system in the manufacture of hosiery. Leg.pren.16 no.2:
11-14 P '56. (MIRA 9:7)
(Hosiery industry) (Assembly-line methods)

ZIL'BERBLAT, G.S.; GOLOVANOV, N.N.

Regulation and control of measured small-volume aeration of
Protozoa cultures by means of automatic electronic devices.
Lab. delo no.10:633-638 '64. (MIRA 17:12)

1. Laboratoriya protivorakhovykh preparatov (zavoduyushchiy -
chlen-korrespondent AMN SSSR prof. N.G. Klyuyeva) Gosudarstvennogo
ob'yedineniya "Tekhproyekt".

PARIZH, B.M.; ZIL'BERBLAT, G.S.

Concentration of Trypanosoma by the method of centrifugation in
separators. Lab. delo 8 no.3:38-41 Mr '62. (MIRA 15:5)

1. Laboratoriya protivorakovykh preparatov (zav. - chlen-korrespondent
AMN SSSR prof. N.G.Klyuyeva) Gosudarstvennogo kontrol'nogo instituta
meditsinskikh biologicheskikh preparatov imeni L.A.Tarasevicha.
(PROTOZOA, PATHOGENIC) (CENTRIFUGATION)

ZIL'BERBLAT, G.S. (Moskva); KASHIK, S.A. (Irkutsk); DEMBERELIYN DASHZEVEG;
BOGDANOV, O.P.; BOGACHEV, V.V., prof. (Baku); ROZENGURT, M.Sh. (Odessa);
LYUBIMOV, O. (Ostrov Vize); GLADILIN, K.L.

News, events, facts. Priroda 51 no.8:113-122 Ag '62.

(MIRA 15:9)

1. Mongol'skiy gosudarstvennyy universitet, Ulan-Bator (for Dembereliyn Dashzeveg).
2. Institut zoologii i parazitologii AN UzSSR, Tashkent (for Bogdanov).
3. Institut biokhimii im. A.N. Bakha AN SSSR (for Gladilin).

(Science news)

BRUK, Aleksandr Davidovich. Prinimal uchastiye ZIL'BERBLAT, M.E.,
inzh.; NEVEL'SON, M.I., kand. tekhn. nauk, red.

[Draft and blast machines in metallurgy] Tiagodut'evye
ustanovki v metallurgii. Moskva, Metallurgiya, 1965. 179 p.
(MIRA 18:3)

ZIL'BERBLAT, M.E.; OREL, O.A.

Efficiency of the improved control system for the main drive of a
roughing mill. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i
tekh.inform. 17 no.7:5-8 J1 '64. (MIRA 17:10)

ZIL'BERBLAT, YA. B

On 4 October 1946, at the Power Engineering Institute imeni Molotov, defended his dissertation on "Wide-Dispersion Mirror Illumination for Lighting Streets and Squares." Official opponents - Doctor of Technical Sciences Professor V. V. Mashkov, and Candidate of Technical Sciences G. I. Dluzhnevskiy.

So: Elektrichestvo, No 4, April 1947, pp 90-94 (U-5577, 18 February 1954)

An analytical method was presented for calculating the shapes of symmetric, nonsymmetric, and compound reflectors. Methods were given for calculating the diffusion of light strength of mirror illuminators and of the illumination created by nonsymmetrical illuminating instruments. Designs were submitted of equipment for investigating the characteristics of mirror illuminators, the diffusing properties of protective glass, the level of brilliancy, and the distribution of temperature in illuminating devices of various types. The results were given of a check of the operation of illuminating devices on the streets of Moscow, and a comparative economic evaluation was given of equipment with mirror illumination and that supplying direct and diffused light.

So: IBID

ZILBERBLAT, YA. B.

PA 15/49T38

USSR/Electricity
Lighting, Outdoor
Street Lighting

Aug 48

"Condition and Perspective of the Development of
Municipal Outdoor Lighting," Ye. B. Zil'berlat, Cand.
Tech Sci, Acad Public Economy imeni Pamfilov, 6 pp

"Elektrichestvo" No 8

Proposes measures for improvement of street lighting.
Increasing urban transport and tremendous number of
pedestrians reveal need.

15/49T38

ZIL'BERBLAT, YA. B.

35292. Prizmaticheskij svetic'nik dlya osveshcheniya ulits. Nauch.
Trudy (Akad. Kommunal Khoz-za Im. pamfilova). Vup 4-5, 1949
S. 68-73

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, 1949 Moskva

ZIL'DERBLAT, YA.B.

PA 190T50

USSR/Engineering - Luminescence, Mar 51
Application

"Using Luminescent Lamps at Low Temperatures," Ye.
B. Zil'derblat, Acad of Communal Econ Inven K. D.
Pamfilov

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 3, pp 350-359

Expts with photoluminescent mercury lamps showed
that, being thermally insulated, they may be effec-
tively used under low-temp conditions. Max emission
of 30-w lamps with heat-insulation jackets is
reached at -120. Dependable lighting with low temp

190T50

USSR/Engineering - Luminescence, (Contd) Mar 51
Application

of surrounding medium is provided by using special
thermal starter, which automatically increases
preliminary heating period of lamp electrodes with
temp drop. There is no significant effect of heat
insulation on emission of electrodes, and life of
lamp exceeds 2,000 hr. Submitted by Acad V. S.
Kulebakin.

190T50

ZIL'BERBIAT, Ya. B.; OSTROVSKIY, M. A.; FEDOTKIN, S. N.; AKATOVA, V. G., re-
daktor; GUROVA, O. A., tekhnicheskiy redaktor.

[Layout for effective city lighting] Ratsional'nye skhemy osveshcheniya
gorodov. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR,
1954. 50 p.
(Street lighting)
(MLR 8:1)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120011-3

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120011-3"

ZIL'BERBLAT, Ya.B., kandidat tekhnicheskikh nauk.

Operating conditions for 80-watt fluorescent lamps in outdoor applications. Svetotekhnika 2 no.5:11-14 S '56.

(MLRA 9:11)

1. Akademiya kommunal'nogo khozyaystva SSSR.
(Fluorescent lamps)

ZIL'BERBIAT Ya.B., kandidat tekhnicheskikh nauk; KORYAZIN, V.G., kandidat tekhnicheskikh nauk.

Experience using fluorescent lamps for municipal street lighting.
Svetotekhnika 3 no.9:1-6 S '57.
(MLRA 10:9)

1. Akademiya kommunal'nogo khozyaystva.
(Street lighting)

ZIL'BERBLAT, Ya.B., kand.tekhn. nauk; KORYAGIN, V.G., kand. tekhn.nauk

Lighting first and second class streets by hanging fluorescent
illuminators. Svetotekhnika 4 no.10:8-12 0 '58. (MIRA 11:10)

1.Akademiya kommunal'nogo khozyaystva.
(Street lighting) (Fluorescent lamps)

ZIL'BERBIAT, Ya.B., kand. tekhn.nauk; KORYAGIN, V.G., kand. tekhn.nauk.

Fluorescent-lighting systems of streetcars. Svetotekhnika no.1:13-17
Ja '59. (MIRA 12:1)

1.Akademiya kommunal'nogo khozyaystva.
(Streetcars) (Fluorescent lighting)

ZIL'BERBLAT, Ya.B.; KORYAGIN, V.G.; KORYAGIN, O.G.

Fluorescent lighting of double-unit trolley buses. Gor.khoz.
Mosk. 34 no.7:36-38 JI '60. (MIRA 13:7)

1. Akademiya kommunal'nogo khozyaystva.
(Trolley buses) (Fluorescent lighting)

ZIL'BERLAT, Ya.B., kand.tekhn.nauk; OSTROVSKIY, M.A., kand.tekhn.nauk

Norms on street lighting. Svetotekhnika 8 no.10:4-8 0 '62. (MIRA 15:9)

1. Akademiya kommunal'nogo khozyaystva i Vsesoyuznyy svetotekhnicheskiy institut.
(Street lighting--Standards)

ZIL'BERBLAT, Ya.B., kand.tekhn.nauk; OSTROVSKIY, M.A., kand.tekhn.nauk

Proposed norms and regulations for the lighting of streets, roads,
trains, and platforms. Svetotekhnika 8 no.10:9-11 0 '62.

(Street lighting—Standards) (Electric lighting—Standards) (MIRA 15:9)

ZIL'BERBIAT, Ya.B., kand.tekhn.nauk

Method for calculating the average brightness of road coatings.
Svetotekhnika 8 no.10:11-15 0 '62.
(MIRA 15:9)

1. Akademiya kommunal'nogo khozyaystva.
(Highway research)

ZIL'BERBORD, A. F., CAND TECH SOI, "THERMAL REGIME AND STABILITY OF SUBTERRANEAN ^{workings} ~~MINES~~ ^{distribution of} IN THE FIELD OF ~~EXPANDING PERME-
FROZEN ROCK~~ ^{permafrost}". MOSCOW, 1960. (MIN OF HIGHER AND SEC
SPEC ED RSFSR. MOSCOW MINING INST IN I. V. STALIN). (KL,
2-61, 208).

-131-

ZIL' HERBORD, A.F.

Possibility of using ice for packing excavated spaces in
coal deposits embedded in permanently frozen rocks. Izv. Sib. otd.
AN SSSR no.10:47-53 '58. (MIRA 11:12)

1. Severe-Vostochnoye otdeleniye Instituta nertovovedeniya AN SSSR.
(Arctic regions--Mine filling)
(Ice)

KOZHEVNIKOV, N.A., inzh.; VOYTKOVSKIY, K.F., kand. tekhn. nauk; ZIL'BERBORD,
A.F., gornyy inzh.; SHUMOV, A.I., gornyy inzh.

"Principles of mining engineering in conditions of permafrost"
by V.P. Bakakin. Reviewed by N.A. Kozhevnikov and others. Gorn.
zhur. no. 2:78-79 F '59. (MIRA 12:2)

1. Severo-Vostochnoye otdeleniye Instituta merzlotovedeniya
AN SSSR, Yakutsk.

(Mining engineering) (Frozen ground)

(Bakakin, V.P.)

ZIL'BERBORD, A.F.; MAYZEL', L.A.

Efficient mining of the Kagalassy lignite deposit in the Yakut
A.S.S.R. Trudy Sev.-Vost.o'd.Inst.merz.AN SSSR no.1:71-87 '58.
(MIRA 16:12)

DYAD'KIN, Yu.D., kand. tekhn. nauk, otv. red.; ZIL'BERBORD, A.F.,
kand. tekhn. nauk, otv. red.

[Thermal and mechanical processes in mining minerals; mining operations in a massif of frozen ground] Teplovye i mekhanicheskie protsessy pri razrabotke poleznykh iskopaemykh; gornye raboty v massive merzlykh porod. Moskva, Nauka, 1965. 266 p. (MIRA 18:5)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut merzlotovedeniya. 2. Institut merzlotovedeniya Sibirskogo otdeleniya AN SSSR (for Zil'berbord). 3. Leningradskiy gornyy institut (for Dyad'kin).

ZIL'BERBORD, A.F.; GRAVIS, G.F.

Intensity of deformations in mine workings depending upon
conditions of accumulation and freezing of quaternary deposits.
Fiz.-tekh. probl. razrab. pol. iskop. no.1:20-24. '65.

(MIRA 18:10)

1. Institut gornogo dela im. A.A. Skochinskogo, Moskva.

ZIL'BERBORD, Anatoliy Feliksovich; VOYTKOVSKIY, K.P., doktor tekhn.
nauk, otv. red.; BRODSKAYA, A.G., red.; SIMKINA, G.S.,
tekhn. red.

[Heat regime in mines in areas of permanently frozen ground]
Teplovoi rezhim shakht v oblasti rasprostraneniia mnogoletne-
merzalykh gornykh porod. Moskva, Izd-vo Akad.nauk SSSR, 1963.
93 p.

(Frozen ground)

(MIRA 16:4)

(Mine ventilation--Cold weather conditions)

ZIL'BERBORD, M.B.

ZIL'BERBORD, M.B., inzhener.

Selecting economic walls made of precast factory-produced elements.
Nov.tekh. i pered. op. v stroi. 18 no.7:23-24 J1 '56.(MIRA 9:9)
(Precast concrete) (Walls)

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 43 - 50/62

Authors : Kasatochkin, V. I.; Shostakovskiy, M. F.; Zil'berbrand, O. I.; and Kochkin, D. A.

Title : About hydrogen bonds in silanols

Periodical : Izv. AN SSSR. Ser. fiz. 18/6, 726-728, Nov-Dec 1954.

Abstract : The infrared absorption spectra of trimethylcarbinol and five different silanols: $(CH_3)_3SiOH$, $(CH_3)_2C_2H_5SiOH$, $CH_3(C_2H_5)_2SiOH$, $(C_2H_5)_3SiOH$ and C_6H_5SiOH were investigated in a range of wave lengths of from 2 - 4 μ to determine the nature of the intermolecular association of silanols and the effect of the nature of the hydroxyl group. It was established, among others, that the silanols form dimers, particularly their amphiprotic character. The nature of the association of the $Si-OH$ bond and strong reaction of the $Si-OH$ bond with the neighboring molecules which takes place in the case of the intermolecular association of the $Si-OH$ bond. Graphs.

Institution : Acad. of Sc., USSR, Institute of Combustible Minerals

Submitted :

KASATOCHKIN, V.I.; SHOSTAKOVSKIY, M.F.; ZIL'BERBERAND, O.I.; KOCHKIN, D.A.

Hydrogen linkage in silanols. Zhur.fiz.khim. 29 no.4:730-733 Ap '55.
(MIRA 8:8)

1. Akademiya nauk SSSR, Institut organicheskoy khimii.
(Silanol)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120011-3

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120011-3"

ZIL'BERBRAND, O. I., Cand Chem Sci (disq) -- "Spectral investigation of solid mineral fuels". Moscow, 1960. 15 pp (Acad Sci USSR, Inst of Mineral Fuels), 150 copies (KL, No 11, 1960, 129)

ZIL'BERBRAND, O.I.

PRIKHOT'KO, A.F.

24(7)

3

PHASE I BOOK EXPLOITATION

204/1365

L'vov. University

Materialy I Vsesoyuznogo soveshchaniya po spektroskopii. t. 1: Molekulyarnaya spektroskopiya (Papers of the 10th All-Union Conference on Spectroscopy. Vol. 1: Molecular Spectroscopy) [L'vov] Izd-vo L'vovskogo univ-ta, 1957. 499 p. 4,000 copies printed. (Series: Itsi. Fizichnyy zbirnyk, vrp. 3/8/)

Additional Sponsoring Agency: Akademiya nauk SSSR, Komissiya po spektroskopii. Ed.: Dzerzh, S.L.; Tech. Ed.: Saranyuk, T.V.; Editorial Board: Landsterg, G.S., Academician (Resp. Ed., Deceased), Noporent, B.S., Doctor of Physical and Mathematical Sciences, Fabelinskii, I.L., Doctor of Physical and Mathematical Sciences, Fabelinskii, V.A., Doctor of Physical and Mathematical Sciences, Kornitskiy, V.G., Candidate of Technical Sciences, Rayskiy, S.M., Candidate of Physical and Mathematical Sciences, Klimovskiy, L.K., Candidate of Physical and Mathematical Sciences, Milyanchuk, V.S., Candidate of Physical and Mathematical Sciences, and Gusherman, A. Ye., Candidate of Physical and Mathematical Sciences.

Card 1/30

Bury, P.M. Spectrophotometric Study of the Mechanism and Kinetics of the Interaction of Concentrated Sulfuric Acid With Diphenyl Amines and With Some of its Derivatives

245

Tagirov, A.B. Infrared Emission Spectra of Certain Flames and Combustion-zone Products

252

Kuznetsova, N.P. Some Spectral Studies in the Field of the History of Geochemistry and in the Genetic Classification of Bitumens

255

Zil'berbrand, O.I., and V.I. Kasatochkin. Use of Infrared Spectroscopy in the Study of the Chemical Structure of Shale Kerogen

257

Kasatochkin, V.I., O.I. Zil'berbrand, and A.A. Zhubin. Infrared Absorption Spectra of Organic Mineral Substances

261

Card 17/30

ZIL'BERBRAND, O.I.; KASATOCHKIN, V.I.

Use of infrared spectroscopy in studying the chemical structure
of kerogen in shale. Fiz. sbor. no.3:257-261 '57. (MIRA 11:8)

1. Institut goryuchikh iskopayemykh AN SSSR.
(Kerogen--Spectra) (Chemical structure)

20-119-4-44/60

AUTHORS: Kasatochkin, V. I., Kononova, M. M., Zil'berbrand, O. I.

TITLE: Infra-Red Absorption Spectra of Humus Substances of the Soil (Infrakrasnyye spektry pogloshcheniya gumusovykh veshchestv pochvy)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 4, pp. 785 - 788 (USSR)

ABSTRACT: The humus substances are the most characteristic compounds of the organic part of the soil. They were often investigated. Since, however, many problems connected with them are complicated and the nature of the substances varies according to the conditions of the soil formation, a number of problems concerning their nature and structure is not explained. In the present paper results are given of a comparative investigation of the structure of the humic and "fulvic" acids, as in the title, and by means of radiographic method. As samples served: common black soil and lawn bleaching earth, both different to a great extent from each other. The method of

Card 1/3

20-119-4-44/60

. Infra -Red Absorption Spectra of Humus Substances of the Soil

isolation of the humus substances was already described (Reference 1). Table 1 gives the elementary composition of the humus substances. These data show a higher degree of carbon enrichment in humic acids from black soil compared to those from the lawn "bleaching" earth and especially with the fulvic acids. Figure 1 shows schematically the interference bands on radiographs as rectangles the altitude of which corresponds to the relative intensity, and their width to the half width of the bands. The carbon skeleton of the molecules of the humic and "fulvic" acids is characterized by the existence of an aromatic carbon atomic net (nuclear part) and of lateral groups (peripheric part) of non-aromatic nature, the latter contain carbon, sulfur, nitrogen, and other elements. In the molecules of humic acids the nuclear part is, in comparison with "fulvic" acids, better marked. This corresponds to a higher carbon percentage which is organized into carbon lattices. In humic acid from lawn bleaching earth the net is marked to a smaller extent than in the case of black soil. The existence of the peripheric

Card 2/3

20-119-4-44/60

Infra-Red Absorption Spectra of Humus Substances of the Soil

part which is marked to a smaller extent is characteristic of "fulvic" acid molecules. The obtained results prove uniform structure principles of humic- and "fulvic" acids from common black soil as well as from the lawn bleaching earth. However, besides the relation between the nuclear- and the peripheric part of the molecular structure, also the structure of the lateral groups in humic- and "fulvic" acids varies. There are 2 figures, 1 table and 3 Soviet references.

ASSOCIATION: Pochvennyy institut im. V. V. Dokuchayeva Akademii nauk SSSR
(Soil Institute imeni V. V. Dokuchayev AS USSR)

PRESENTED: October 4, 1957, by I. V. Tyurin, Member, Academy of Sciences, USSR

SUBMITTED: September 28, 1957

Card 3/3

KASATOCHKINA, Y.I.; KONONOVA, M.M.; ZIL'BERBRAND, O.I.

Infrared absorption spectra of humus in the soil. Dokl. AN SSSR
119 no.4:785-788 Ap '58. (MIRA 11:6)

1. Pochvennyy institut im. V.V. Dokuchayeva AN SSSR, Predstavleno
akademikom I.W. Tyurinym.

(Humus--Spectra)

ZIL'BERBRAND, O.I.

USSR / Physical Chemistry. Crystals.

B-5

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 25998

Author : V.I. Kasatochkin, O.I. Zil'berbrand.

Title : Roentgenography and Infrared Spectroscopy in Application to Study of Structure of Humus Substances.

Orig Pub : Pochvovedeniye, 1956, No 5, 80 - 85

Abstract : The curves of absorption in the infrared spectrum range in wave length intervals of 2.8 to 3.9, 5.7 to 6.8 and 7.8 to 11.3 μ are given for humic acids of black earth and strongly podzol soil, fulvoacids from the same soils, and humic acids from the culture of *Aspergillus Niger*. The following bonds were detected: O-H and C-H in aromatic groups (C-H bonds were absent in fulvo-acids of strongly podzol soil), C-H in CH groups, a weak intensity band of C-H in CH₃ groups, C=O in carboxyl groups, and conjugate double bonds C=C. The intensity ratio of the bands C=O and C=C is characteristic of various samples.

Card : 1/2

USSR / Physical Chemistry. Crystals.

B-5

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 25998

Abstract : There is in the spectra of humic acids of the strongly podzol soil and of both the samples of fulvoacids a band of 6.6μ referred to aromatic groups with lateral alifatic substitutes. In the cases of humic acids from *Aspergillus Niger*, a band of 8.9μ is observed; this band is characteristic of oxygen containing aromatic compounds, in which the O atom is directly connected with the C atom of the aromatic nucleus (Bregger J.A., Fuel, 1951, 30, 204 - 208). These results do not contradict the known data of x-ray studies of the molecular structure of humic acids and similar carbonized substances.

Card : 2/2

ZILBERBRAND, Yu.

Some problems of the interaction of streetcar rolling stock
and the track. Zhil.-kom.khoz. 12 no.8:19 Ag '62.

(MIRA 16:2)

(Streetcars)

S/076/63/037/003/016/020
B101/B215

AUTHORS: Bass, S. I., Zil'berbrandt, A. M., Berlin, A. A.

TITLE: Study of the mechanism for the inhibiting action of compounds containing a system of conjugate bonds on thermal oxidation of low-molecular and polymer hydrocarbons. I. Inhibiting action of acenes on the oxidation of paraffin hydrocarbons

PERIODICAL:: Zhurnal fizicheskoy khimii, v. 37, no. 3, 1963, 682-685

TEXT: This is a report on the inhibiting action of anthracene, naphthacene, and pentacene on the oxidation of cetane and ceresin at 160 and 200°C. The following data are given for the adsorption rate of oxygen in the presence of 8 mmoles/kg of acene in % of the adsorption rate without inhibitor: naphthacene 90 at 160°C, 55 at 200°C, pentacene 65 at 160°C, 78 at 200°C. At 160°C the length of the induction period is affected in the sequence anthracene < naphthacene < pentacene. These results are explained on the basis of energy changes in singlet-triplet transitions. Oxidation is accompanied by the formation of quinones which can be proved

Card 1/2

Study of the mechanism for the ...

S/076/45/037/003/016/020
B101/B215

spectroscopically and which also inhibit oxidation. There are 3 figures
and 1 table.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im.
M. V. Lomonosova (Moscow Institute of Fine Chemical
Technology imeni M. V. Lomonosov)

SUBMITTED: May 26, 1962

Card 2/2

BASS, S. I.; ZIL'BERBRANDT, A. M.; BERLIN, A. A.

Mechanism of the inhibiting action of compounds with conjugated bond systems in the thermal oxidation of low-molecular and polymeric hydrocarbons. Part 1. Zhur. fiz. khim. 37 no. 3:682-685
Mr '63. (MIRA 17:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

ZIL'BERBRANDT, O.I.; KAZAKOV, Ye.I.; KASATOGHEIN, V.I.; TYAZHELOVA, A.A.
(Moskva).

Investigating the composition and properties of bitumen made of
tars from Volga Valley shales. Izv. AN SSSR. Otd. tekhn. nauk no.2:
155-158 P '58. (MIRA 11:3)
(Volga Valley--Shale) (Bitumen)

LITVINOV, A. P.; ZIL'BERDRUT, V. D. Engrs

The Substitution of stannabus bronze by antifriction alloys

Vest Mash p. 24, Oct. 51

LITVINOV., A. P.; ZIL'BERDRUT, V. D.

Alloys

Replacement of stannous bronze with antifrictional alloys. A. P. Litvinov. V.D.
Zil'berdrut. Vest. mash. 31, No. 10, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952 UNCLASSIFIED.

LITVINOV, A. P. ; ZIL'BERDRUT, V. D.

Bronze

Replacement of stannous bronze with antifrictional alloys. A. P. Litvinov. V. D. Zil'berdrut. Vest. mash. 31 No. 10 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952 UNCLASSIFIED

LITVINOV, A. F. : ZIL'BERDRUT, V. D.

BRONZE

Replacement of stannous bronze with antifrictional alloys. A. P. Litvinov. V. D. Zil'berdrut. Vest. mash. 31 No. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September, 1952, 1953. Unclassified.

LITVINOV, A. P.: ZIL'BERDRUT, V. D.

Alloys

Replacement of stannous bronze with antifrictional alloys. A. P. Litvinov. V. D.
Zil'bardrut. Vest. mash. 31, No. 10, 1951.

9. Monthly List of Russian Accessions, Library of Congress, September, 1952, 1953. Unclassified.

117 AND 216 GROUPS																										117 AND 216 GROUPS																									
PROCESSES AND PROPERTIES INDEX																																																			
<p>CA</p> <p>The technical process of production of ceramic light mold cases. <i>Chem. Abstr.</i> Vol. 1, No. 3, 31-4 (1954); (<i>Chem. Eng.</i> 1954, 11, 2077). Requirements for such products include resistance to corrosion, heat and high temps.; lightness, rigidity, form and cheapness. In the "Uteplite" plant they are manuf'd. from clay sand and ceramic fragments and dust, the mass being burned at 1050°. Their use greatly reduces cavity formation in cast steel.</p> <p>M. G. Moore.</p>																																																			
<p>ASB-51A METALLURGICAL LITERATURE CLASSIFICATION</p> <p>FROM STEELING</p> <p>FROM 20045V</p> <p>117 AND 216 GROUPS</p>																																																			

The Technological Production of Refractory Floating Mould-Tops. *I. Zilberbach*, (Stal, 1938, No. 3, pp. 21-24). (In Russian). Refractory mould-tops are used to prolong the time during which the steel remains liquid; owing to the lower thermal conductivity of the refractory material, the liquid steel feeds the lower solidifying part of the ingot and thus reduces the depth of piping. A brief description is given of the manufacture of these mould-tops at a special works in Russia, reference being made to the clays and other raw materials entering into their composition; the preparation, design, moulding and firing of the mould-tops; with, in conclusion, some details regarding the application of these mould-tops and advantages arising therefrom, are dealt with.

Zilberfarb, L. M., and Memnonova, T. V. Distribution of Porosity in Silica Brick Moulded with the Wolf-Buckau Press. *Zhurnal Fizicheskoi Khimii*, 3 (1951) 21-22. (1951).
The density and porosity of Dinas brick shaped in Wolf-Buckau presses are nonuniform, varying 1 and 5%. This nonuniform distribution of pores is accounted for by the construction of the press. Porosity has no effect on the mineralogical composition of silica brick.

Zubers, L. M. PRODUCING SILICA BRICK WITHOUT CRACKS AND FISSURES. *Engineering*, 6 (1932-33) (1933).—The study of the production of silica brick without cracks from chalcedony quartzites shows that the fissures occur mostly during the modification of α quartz into α cristobalite. The change of the granulometric composition of the mix by lowering the size of grains greatly decreases the formation of cracks.

AUTHOR INDEX

1. 35. 1 METALLURGICAL LITERATURE CLASSIFICATION

Zilberfarb, L. M. TECHNOLOGICAL PRODUCTION OF RE-

FRACTORY LUSTING MOLD TOPS, *Sov.* 1938 (3)

21-24.—Refractory lusting mold tops are used to prolong the time during which the steel remains liquid. They should (1) possess a high mechanical toughness, (2) be sufficiently refractory, (3) have sufficient thermal stability and a high stability against the action of molten steel, and (4) be produced in regular sizes and design at a low price. Their production is described. To obtain mold tops of high quality, light sintered refractory clay should be added to the charge. The tops should be fired at 1050° to 1100°C.

extru

ASM 31A METALLURGICAL LITERATURE CLASSIFICATION

Zilberfarb, I. M. PRODUCING SILICA BRICK WITHOUT FISSURES. *Ogneupor*, 6 (21960-80) (1965).—The study of the production of silica brick without cracks from chalcedony quartzites shows that the fissures occur mostly during the modification of α quartz into α cristobalite. The change of the granulometric composition of the mix by lowering the size of grains greatly decreases the formation of cracks.

ZIEBERFARB, L. M.

AVIRVA INUGA

173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Zieberfarb, L. M. THE INDUSTRIAL PRODUCTION OF REFRACTORY FLOATING MOLD TOPS. *Steel*, 1938, (3) 21-24. Refractory floating mold tops are used to prolong the time during which the steel remains liquid. They should (1) possess a high mechanical toughness; (2) be sufficiently refractory; (3) have sufficient thermal stability and a high stability against the action of molten steel; and (4) be produced in regular sizes and design at a low price. Their production is described. To obtain mold tops of high quality, light sintered refractory clay should be added to the charge. The tops should be fired at 1050° to 1100°C.

GENERAL INFORMATION										PROCESSING AND PROPERTIES DATA									
1. NAME OF THE PROJECT										2. DATE OF THE PROJECT									
3. TITLE OF THE PROJECT										4. AUTHOR(S)									
5. ABSTRACT										6. SUMMARY									
7. INTRODUCTION										8. CONCLUSIONS									
9. REFERENCES										10. APPENDICES									
11. BIBLIOGRAPHY										12. INDEX									
13. GLOSSARY										14. NOTES									
15. ACKNOWLEDGMENTS										16. DISTRIBUTION STATEMENT									
17. SECURITY CLASSIFICATION										18. SECURITY CLASSIFICATION									
19. SECURITY CLASSIFICATION										20. SECURITY CLASSIFICATION									
21. SECURITY CLASSIFICATION										22. SECURITY CLASSIFICATION									
23. SECURITY CLASSIFICATION										24. SECURITY CLASSIFICATION									
25. SECURITY CLASSIFICATION										26. SECURITY CLASSIFICATION									
27. SECURITY CLASSIFICATION										28. SECURITY CLASSIFICATION									
29. SECURITY CLASSIFICATION										30. SECURITY CLASSIFICATION									
31. SECURITY CLASSIFICATION										32. SECURITY CLASSIFICATION									
33. SECURITY CLASSIFICATION										34. SECURITY CLASSIFICATION									
35. SECURITY CLASSIFICATION										36. SECURITY CLASSIFICATION									
37. SECURITY CLASSIFICATION										38. SECURITY CLASSIFICATION									
39. SECURITY CLASSIFICATION										40. SECURITY CLASSIFICATION									
41. SECURITY CLASSIFICATION										42. SECURITY CLASSIFICATION									
43. SECURITY CLASSIFICATION										44. SECURITY CLASSIFICATION									
45. SECURITY CLASSIFICATION										46. SECURITY CLASSIFICATION									
47. SECURITY CLASSIFICATION										48. SECURITY CLASSIFICATION									
49. SECURITY CLASSIFICATION										50. SECURITY CLASSIFICATION									
51. SECURITY CLASSIFICATION										52. SECURITY CLASSIFICATION									
53. SECURITY CLASSIFICATION										54. SECURITY CLASSIFICATION									
55. SECURITY CLASSIFICATION										56. SECURITY CLASSIFICATION									
57. SECURITY CLASSIFICATION										58. SECURITY CLASSIFICATION									
59. SECURITY CLASSIFICATION										60. SECURITY CLASSIFICATION									
61. SECURITY CLASSIFICATION										62. SECURITY CLASSIFICATION									
63. SECURITY CLASSIFICATION										64. SECURITY CLASSIFICATION									
65. SECURITY CLASSIFICATION										66. SECURITY CLASSIFICATION									
67. SECURITY CLASSIFICATION										68. SECURITY CLASSIFICATION									
69. SECURITY CLASSIFICATION										70. SECURITY CLASSIFICATION									
71. SECURITY CLASSIFICATION										72. SECURITY CLASSIFICATION									
73. SECURITY CLASSIFICATION										74. SECURITY CLASSIFICATION									
75. SECURITY CLASSIFICATION										76. SECURITY CLASSIFICATION									
77. SECURITY CLASSIFICATION										78. SECURITY CLASSIFICATION									
79. SECURITY CLASSIFICATION										80. SECURITY CLASSIFICATION									
81. SECURITY CLASSIFICATION										82. SECURITY CLASSIFICATION									
83. SECURITY CLASSIFICATION										84. SECURITY CLASSIFICATION									
85. SECURITY CLASSIFICATION										86. SECURITY CLASSIFICATION									
87. SECURITY CLASSIFICATION										88. SECURITY CLASSIFICATION									
89. SECURITY CLASSIFICATION										90. SECURITY CLASSIFICATION									
91. SECURITY CLASSIFICATION										92. SECURITY CLASSIFICATION									
93. SECURITY CLASSIFICATION										94. SECURITY CLASSIFICATION									
95. SECURITY CLASSIFICATION										96. SECURITY CLASSIFICATION									
97. SECURITY CLASSIFICATION										98. SECURITY CLASSIFICATION									
99. SECURITY CLASSIFICATION										100. SECURITY CLASSIFICATION									

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>Spotting of silica brick. T. V. Memnogoova and L. M. Zilberfarb. <i>Quarrying</i> 5, 613-15 (1937). — Silica brick made from white quartzite uncolored by Fe oxides is white regardless of the CaO content. A 1% CaO content leads to the formation of pseudowollastonite yellow spots. The tridymitization is very small regardless of CaO content. Silica brick from ordinary quartzite contg. Fe oxides has, when 1% of CaO is added, a light yellow color with dark yellow spots. The addn. of 2-3% CaO gives a dark yellow and spotty coloring and a considerable content of pseudowollastonite and Ca ferrite. In the presence of the latter 2 substances the tridymitization is worse; this is characteristic of dark yellow ware. After repeated burning dark yellow ware changes to light yellow, sometimes with small dark yellow spots owing to a nearly complete disappearance of pseudowollastonite and Ca ferrite. The tridymite content increases. Spotty ware attains a homogeneous light yellow color, pseudowollastonite and Ca ferrite disappear, and tridymitization improves. Light yellow ware does not change color; the tridymitization increases. E. E. Stefnodowsky</p>																			
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>FROM SYNONYMS</p>										<p>FROM SYNONYMS</p>									
<p>SYMBOLS</p>										<p>SYMBOLS</p>									

ZIL'BERBROD, A.F.

ANDROS, I.P., inzh.; ASSONOV, V.A., kand. tekhn. nauk.; BERNSHTEYN, S.A., inzh.; BOKIY, B.V., prof.; BROVMAN, Ya.V., inzh. BONDARENKO, A.P., inzh.; BUCHNEV, V.K., kand. tekhn. nauk; VERESHKUNOV, G.P., kand. tekhn. nauk; VOLKOV, A.F., inzh.; OMLESKUL, M.N., kand. tekhn. nauk; GORODNICHIEV, V.M., inzh.; DEMENT'YEV, A.Ya., inzh.; DOKUCHAYEV, M.M., inzh.; DUBNOV, L.V., kand. tekhn. nauk; EPIFANTSEV, Yu.K., kand. tekhn. nauk.; YERASHKO, I.S., inzh.; ZHEDANOV, S.A., kand. tekhn. nauk; ZIL'BERBROD, A.F., inzh.; ZINCHENKO, M.M., inzh.; ZORI, A.S., inzh.; KAPLAN, L.B., inzh.; KATSAUROV, I.N., dots.; KITAYSKIY, B.F., inzh.; KRAVTSOV, Ye.P., inzh.; KRIVOROG, S.A., inzh.; KRINITSKIY, L.M., kand. tekhn. nauk; LITVIN, A.Z., inzh.; MALEVICH, N.A., kand. tekhn. nauk; MAN'KOVSKIY, G.I., doktor tekhn. nauk; MATKOVSKIY, A.I., inzh.; MINDELI, E.O., kand. tekhn. nauk; NAZAROV, P.P., kand. tekhn. nauk; NASONOV, I.D., kand. tekhn. nauk; MEYENBURG, V.Ye., kand. tekhn. nauk; POKROVSKIY, G.I., prof., doktor tekhn. nauk; PROYAVKIN, E.T., kand. tekhn. nauk; ROZENBAUM, inzh.; ROSSI, B.D., kand. tekhn. nauk; SEMEYSKIY, V.N., doktor tekhn. nauk; SKIRGELLO, O.B., inzh.; SUKHOT, A.A., inzh.; SUKHANOV, A.F., prof., doktor tekhn. nauk; TAHANOV, P.Ya., kand. tekhn. nauk; TOKAROVSKIY, D.I., inzh.; TRUPAK, N.G., prof., doktor tekhn. nauk; FEDOROV, S.A., prof., doktor tekhn. nauk; FEDYUKIN, V.A., inzh.; KHOKHLOVKIN, D.M., inzh.; KHRABROV, N.I., kand. tekhn. nauk; CHEKAREV, V.A., inzh.; CHERNAVKIN, N.N., inzh.; SHREYBER, B.P., kand. tekhn. nauk; EPOV, B.A., kand. tekhn. nauk; YAKUSHIN, N.P., kand. tekhn. nauk; YANCHUR, A.M., inzh.; YAKHONTOV, A.D., inzh.; POKROVSKIY, N.M., otvetstvennyy red.; KAPLUN, Ya.G. [deceased], red.; MONIN, G.I., red.; SAVITSKIY, V.T.,
(Continued on next card)